

CLAIMS

We claim:

1. A lead alloy for lead acid-battery grids, which essentially consists of about 0.05-0.07 %wt calcium; about 0.9-1.3 wt % tin; about 0.006-0.010%wt silver; about 0.0100-0.0170 wt% barium and
5 about 0.015-0.025 wt% aluminum with the balance being lead.

2. The lead alloy of claim 1, wherein said alloy allows the elimination of the high temperature hardening step required for silver containing alloys in the manufacturing of positive grids by the book molding process; while at the same time maintaining the excellent corrosion creep resistance provided by their silver and barium content.

3. A lead-acid battery having a container with a plurality of cells and an electrolyte contained in the cells, each cell having a plurality of positive and negative grids, said positive grids consisting essentially of about 0.05-0.07 wt % calcium; about 0.9-1.3 wt % tin; about 0.0060-0.0100 %silver; about 0.0100-0.0170 wt% barium and about 0.015-.025 wt% aluminum with the balance lead.